

# Fast Logic Variable Pulse Generator

SERIES: VPG-40

Continuously Variable  
T<sup>2</sup>L Interfaced

data  
delay  
devices, inc.



## Features:

- Input & output fully TTL interfaced and buffered.
- Low profile.
- Commercial & military type.
- Continuously adjustable.
- Multi-turn adjusting screw (40 turns approx.)
- Rising-edge trigger.



## Specifications:

- Input signal requirement: TTL logic.
- Output fan-out: TTL Schottky loads.
- Inherent pulse-width ( $PW_0$ ): 15 ns typ.
- Trigger-inherent delay ( $TD_0$ ): 6 ns typ.
- Pulse-width resolution: .12 ns.
- Output rise-time: 2 ns typ.
- Temperature coefficient: 100 PPM/°C.
- Temperature range: 0°C to 70°C standard.  
(-55°C to +125°C on request)\*
- Supply voltage: 5.0 Vdc  $\pm$  5%.
- Power dissipation: 300 mw max.

\*Add "M" after Part No. Ex.: VPG-40-50M

Part No.	Min. Pulse-Width Variation (ns)
VPG-40-25	15
VPG-40-30	20
VPG-40-40	30
VPG-40-50	40
VPG-40-60	50
VPG-40-70	60
VPG-40-80	70
VPG-40-100	90
VPG-40-120	100
VPG-40-150	140
VPG-40-200	180

Other pulse-widths available on request.

